identify ligands having optimal binding activity. For example, if the collective receptor variant population of this example were screened in the melanophore system, ligand No. 3 would have generated the highest signal since it binds to all seven receptors in the receptor variant population. Ligand No. 7 would give a weaker signal since this ligand binds to three receptors in the receptor variant population. Ligand No. 1 would give a still weaker signal since this ligand binds to two receptors in the receptor variant population. Thus, screening with a collective receptor variant population provides more information about the binding characteristics of the ligand than screening with the parent receptor alone. In addition, ligands that bind weakly to the parent receptor may not have been detectable above background when screened against the parent alone but are detectable when more than one receptor in the receptor variant population binds to the ligand.

Please delete the table on page 53, lines 1-18, and
substitute therefor:

**Table I.   Nucleotide and Amino Acid Sequences of Receptor
Variants of BR96 Antibody**

CDR L1

	Amino Acid	26	27	28	29	30	31	32	33
SEQ ID NO:									
1	Wild type	AGC	TCA	AGT	GTA	AGT	TTC	ATG	AAC
2		Ser	Ser	Ser	Val	Ser	Phe	Met	Asn
3	M131B3-5	AGC	TCA	AGT	GTA	**AGG**	TTC	ATG	AAC
4		Ser	Ser	Ser	Val	**Arg**	Phe	Met	Asn
5	M131B3-6	AGC	**GAG**	AGT	GTA	**AAT**	**CTT**	ATG	AAC
6		Ser	**Glu**	Ser	Val	**Asn**	**Leu**	Met	Asn
7	M131B3-7	AGC	TCA	AGT	GTT	**AAT**	TTC	ATG	AAC
8		Ser	Ser	Ser	Val	**Asn**	Phe	Met	Asn
9	M131B3-10	AGC	TCA	**ACG**	GTA	AGT	TTC	ATG	AAC
10		Ser	Ser	**Thr**	Val	Ser	Phe	Met	Asn
11	M131B3-11	AGC	TCA	AGT	GTA	**GCG**	**TAT**	ATG	AAC
12		Ser	Ser	Ser	Val	**Ala**	**Tyr**	Met	Asn
13	M131B3-12	AGC	**CAG**	AGT	**GCT**	**AAG**	**CAT**	ATG	AAC
14		Ser	**Gln**	Ser	**Ala**	**Lys**	**His**	Met	Asn

Please delete the table on page 54, lines 1-16, and
substitute therefor:

CDR L2

SEQ ID NO:		Amino Acid	49	50	51	52	53	54	55	56
15	Wild type		GCC	ACA	TCC	AAT	TTG	GCT	TCT	GGA
16			Ala	Thr	Ser	Asn	Leu	Ala	Ser	Gly
17	M131B3-5		GCC	ACA	**GAG**	**AAG**	TTG	GCT	TCT	GGA
18			Ala	Thr	**Glu**	**Lys**	Leu	Ala	Ser	Gly
19	M131B3-6		GCC	ACA	**GTT**	AAT	TTG	GCT	TCT	GGA
20			Ala	Thr	**Val**	Asn	Leu	Ala	Ser	Gly
21	M131B3-7		GCC	ACA	**GTG**	AAT	TTG	GCT	TCT	GGA
22			Ala	Thr	**Val**	Asn	Leu	Ala	Ser	Gly
23	M131B3-10		GCC	ACA	TCC	**AGG**	**GCG**	GCT	TCT	GGA
24			Ala	Thr	Ser	**Arg**	**Ala**	Ala	Ser	Gly
25	M131B3-11		GCC	ACA	**CAG**	AAT	TTG	GCT	TCT	GGA
26			Ala	Thr	**Gln**	Asn	Leu	Ala	Ser	Gly
27	M131B3-12		GCC	ACA	TCC	AAT	TTG	GCT	TCT	GGA
28			Ala	Thr	Ser	Asn	Leu	Ala	Ser	Gly